

FIG. 1

1

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CCTGGCGGCAGATGACATCCTGGCCGGCCCCCCGCGCCTGCTGGACCCCCAGCCCTACCCCGGGGCCCCGGCACCACGG
160
TCCTACGTGCACTŢCCAGCCGGCTCGCCCCACTGGTGGGCCCGTCCACACCCACACCCACACCCACACCAGGACTTCCAGC
.61
GGTGCTGCACCTGGTGGCCCTGAACAGCCCGCAGCCGGGCGCATGCGAGGCATCCGGGGAGCGACTTCCAGTGCTTC
320
AGCAGGCGCGCGCGCGGGGCTGGCCGGCACCTTCCGGGCCTTCCTGTCGTCGCGGCTGCAGGACCTCTACAGCATCGT
21
;CGCCGCGCCGACCGCACCGGGGGGGCCCGTCGTCAACCTCAGGGACGAGGTGCTCTTCCCCCAGCTGGGAGGCCTTATTCT
.01
GGGCTCCGAGGCCCAGCTGAAGCCCGGGGCCCGCATCTTCTTTTCGACGGCAGAGATGTCCTGCAGCACCCCCCCC
.81
CCCGGAAGAGCGTGTGGCACGGCTCCGACCCCAGCGGGCGCCCTGACCGACAGCTACTGCGAGACGTGGCGGACGGA
640
GCCCCGGCGGCCACCGGGCAGGCGTCGTCGCTGCTGCGGGCAGGCTGCTGGAGCAGGAGGCCGCGAGCTGCCGCCACG
720
CTTCGTGGTGCTCTGCATCGAGAACAGCGTCATGACCTCCTTCTCCAAGTAGGGCCGCGCGGCCACGGACAGGGGGGG
AGGGGGCGCCCCCCAGGAGCATCCGCCCCCCGGGGGGCCCTGGCCGGGACGCTTGCCTGCACCGTCACGTTTAATGTAA
101
CCTCAAGAAATAAAAGGAAGCCAAAGAG

#### HG. 2

1	CC	ctg	gcg	ggca	aga	tga	cato	cct	ggc	cgg	CCC	CCC	gcg	ccto	gctg	
	Р	W	R	A	D	D	I	L	Α	G	P	P	R	L	L	15
46	gad	ccc	cca	gcc	cta	ccc	cgg	ggc	ccc	gca	cca	cgg	ctc	ctac	cgtg	
	D	P	Q	P	Y	P	G	A	P	Н	H	G	S	Y	V	30
91	cad	ctt	cca	gcc	ggc	tcg	ccc	cact	gg.	tgg	gcc	cgt	cca	caco	ccac	
	Н	F	Q	P	A	R	P	$\mathbf{T}$	G	G	P	V	Н	$\mathbf{T}$	Н	45
136	aco	ca	cac	cca	cca	gga	ctt	ccag	gct	ggt	gct	gca	cct	ggto	gcc	
	T	H	T	H	Q	D	F	Q	L	V	L	H	L	V	A	60
181	ctg	gaad	cago	CCC	gca	gcc	ggg	cgg	cate	gcga	agg	cat	ccg	ggga	agcg	
	L	N	S	P	Q	P	G	G	M	R	G	I	R	G	A	75
226	gad	ctt	cca	gtgo	ctt	cca	gcag	ggc	gcg	cgc	cgc	ggg	gct	ggc	ggc	
	D	F	Q	C	F	Q ·	Q	A	R	A	A	G	L	A	G	90
271	aco	ctto	ccg	ggc	ctt	cct	gtc	gtc	gcg	gct	gca	gga	cct	ctac	cagc	
	T	F	R	A	F	L	S	S	R	L	Q	D.		Y	S	105
316	ato	gt	gcg	ccg	cgc	cga	ccg	caco	ggg	ggt	gcc	cgt			cctc	
	I	V	R	R	A	D	R	T	G	V	P	V	V	N	L	120
361	agg	gga	cgag	ggt						gga	ggc				ggc	
	R	D	E	V	L	F	P	S	W	E	A	L	F	S	G	135
406			ggg												gac -	4 = 0
	S	E	G	Q	L	K	P	G	A	R	I	F	S	F	D	150
451															gtg	165
405	G	R	D	V	L	_	H	P	A	W 	P 	R	K	s 	V	165
496															tac	100
<b>-41</b>	W	H	G 	s 	D 	P 	s	G	R	R	L 	T 	D	S	Y	180
541														gcaç Q	gcg ,	195
F06	C	E 				T ~~~						Т ~~ э.				193
286			_											A A	gagc c	210
621	S	S	L												atg	210
03T	C	R												v		225
676	•															225
676 acctccttctccaagtagggccgcgcgcgcccacggacaggcgggg TSFSK* 230										230						
721	_		_				aaca	atco	מממ	מממ	ada	aaa	aaa	adat	aac	250
	1 gagggggggcccgcaggagcatccgccgcccgggggggcctggc 6 cgggacgcttgcctgcaccgtcacgtttaatgtaatcctcaagaa															
	1 ataaaaggaagccaaagag															

# LOACESE TORON

1
CACACCCACCAGGACTTCCAGCTGGTGCTGCACCTGGTGGCCCTGAACAGCCCGCAGCCGGGGGGGCATGCGAGGCATCCG
160
GGGAGCGGACTTCCAGTGCTTCCAGCAGGCGCGCGCGCGGGGCTGGCCGGCC
161
TGCAGGACCTCTACAGCATCGTGCGCCGCGCCGACCGCACCGGGGTGCCCGTCGTCAACCTCAGGGACGAGGTGCTCTTC
320
CCCAGCTGGGAGGCCTTATTCTCGGGCCTCCGAGGGCCAGCTGAAGCCCGGGGGCCCGCATCTTCTCTTTCGACGGCAGAGA
321
TGTCCTGCAGCACCCCGCCTGGCCCCGGAAGAGCGTGTGGCACGGCTCCGACCCCAGCGGGCGCCCCTGACCGACAGCT
401
ACTGCGAGACGTGGCGGAGGCCCCCGGCGCCACCGGGCAGGCGTCGTCGCTGCTGGCGGCCAGGCTGCTGGAGCAG
481
GAGGCCGCGAGCTGCCGCCACGCCTTCGTGGTGCTCTTCGAGAACAGCGTCATGACCTCCTTCTCCAAGTAG

FIG. 4

1	cad	cac	cca	cca	gga	ctt	сса	gct	ggt	gct	gca	cct	ggt	ggc	cctg	
	Н							${f L}$								15
46	aad	cag	ccc	gca	gcc	ggg	cgg	cat	gcg	agg	cat	ccg	ggg	agc	ggac	,
	N	S	P	Q	P	G	G	M	R	G	I	R	G	Α	D	30
91	tto	cca	gtg	ctt	cca	gca	ggc	gcg	cgc	cgc	ggg	gct	ggc	cgg	cacc	
	F	Q	С	F	Q	Q	Α	R	Α	Α	G	L	А	G	${f T}$	45
136	tto	ccg	ggc	ctt	cċt	gtc	gtc	gcg	gct	gca	gga	cct	cta	cag	catc	
	F	R	Α	F	L	S	S	R	L	Q	D	${f L}$	Y	S	I	60
181	gto	gcg	ccg	cgc	cga	ccg	cac	cgg	ggt	gcc	cgt	cgt	caa	cct	cagg	
	V	R	R	Α	D	R	$\mathbf{T}$	G	V	Р	V	V	N	L	R	75
226	gad	ga	ggt	gct	ctt	CCC	cag	ctg	gga	ggc	ctt	att	ctc	ggg	ctcc	
	D	E	V	L	F	P	S	W	E	Α	L	F	S	G	S	90
271	gag	ggg	cca	gct	gaa	gcc	cgg	ggc	ccg	cat	ctt	ctc	ttt	cga	cggc	
	E	G	Q	L	K	P	G	Α	R	I	F	S	F	D	G	105
316	aga	aga	tgt	cct	gca	gca	CCC	cgc	ctg	gcc	ccg	gaa	gag	cgt	gtgg	
	R	D	V	L	Q	Η	P	Α	W	Р	R	K	S	V	W	120
361	cac	gg	ctc	cga	CCC	cag	cgg	gcg	ccg	cct	gac	cga	cag	tac	tgc	
	Н	G	S	D	P	S	G	R	R	L	$\mathbf{T}$	D	S	Y	С	135
406	gag	gac	gtg	gcg	gac	gga	ggc	CCC	ggc	ggc	cac	cgg	gca	ggc	gtcg	
	E	${f T}$	W	R	${f T}$	$\mathbf{E}$	Α	P	Ą	Α	${f T}$	G	Q	Α	S	150
451	tc	gct	gct	ggc	ggg	cag	gct	gct	gga	gca	gga	ggc	cgc	gag	ctgc	
	S	L	L	Α	G	R	L	L	$\mathbf{E}$	Q	E	Α	А	S	С	165
496	cgc	cca	cgc	ctt	cgt	ggt	gct	ctg	cat	cga	gaa	cag	cgt	cat	gacc	
	R	Н	A	F	V	V	L	С	I	$\mathbf{E}$	N	S	V	M	${f T}$	180
541	tco	ctt	ctc	caa	gta	g										
	S	F	S	K	*,											184

#### **FIG.** 5

### COPERT .. CERTOI

HTHODFOLVLHLVALNSPORGIRGADFOCFOQARANGLAGTFRAFLSSRLODLYSI endostatin-ca	endostatin-c
HVHQDFQPALHLVALNTPLSGGMRGIRGADFQCFQQARQVGLAGTFRAFLSSRLQDLYSI endostatin-cl	endostatin-ch
HSHRDFQPVLHLVALNSPLSGGMRGIRGADFQCFQQARAVGLAGTFRAFLSSRLQDLYSI endostatin-hu	endostatin-h
HTHQDFQPVLHLVALNTPLSGGMRGIRGADFQCFQQARAVGLSGTFRAFLSSRLQDLYSI endostatin-mc	endostatin-mo

hicken. PRO anine. PRO uman. PRO endostatin-mouse. PRO

VRRADRTAVPIVNIRDEVLFSNWEALFIGSEAPURAGARIUSFDGRDIILODSAWPQKSIM VRRADRAAVPIVNIKDEILFPSWEALFSGSEGPLKPGARIFSFDGKDVLRHPIIWPQKSVW VRRADRIGVEWNIRDEVLFPSWEALFSGSEGQLKPGARIFSFDGRDVLQHPAWPRKSVW

endostatin-chicken.PRO endostatin-canine.PRO endostatin-human. PRO endostatin-mouse.PRO

VRRADRGSVPIVNLKDEVISPSWDSLFSGSQGQLQPGARIFSFDGRDVLRHPAWPQKSVW

endostatin-chicken.PRO endostatin-canine.PRO endostatin-mouse.PRO endostatin-human.PRO

HGSDPSGRRLTDSYCETWRTEAPATGQASSLLAGRLLEQEAASCRHAFVVLCIENSVMT HGSDAKGRRLEESYCEAWRTDERGTSGQASSLSSGKLLEQSASSCQHAFVVLCIENSFMT HGSDPNGRRLTESYCETWRTEAPSATGQASSLLGGRLLGQSAASCHHAYIVLCIENSFMT HGSDPSGRRIMESYCETWRTETTGATGQASSLLSGRLLEQKAASCHNSYIVLCIENSFMT

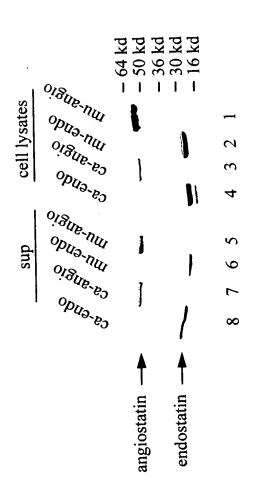
endostatin-chicken.PRO endostatin-canine.PRO endostatin-mouse.PRO endostatin-human.PRO

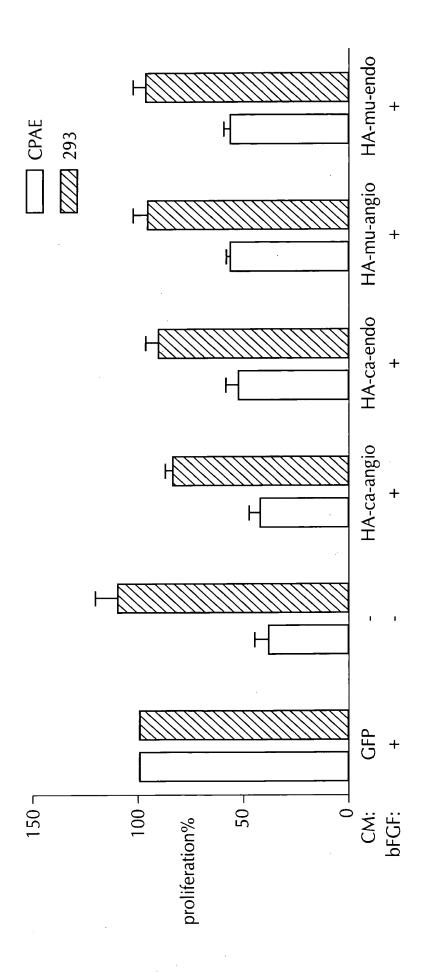
X.	A		SK
SFSK	AAK	ASK	<u>SF</u>
81	81	81	81

ca-endo mu-endo ca-angio mu-angio

FIG. 7

+





FG. 9

+

+

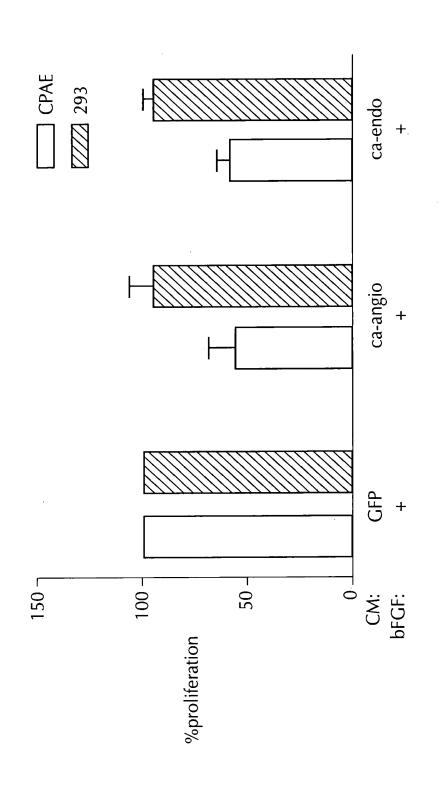


FIG. 10